



Cura 374 CON seq list 0605
SEQUENCE LISTING

<110> Taupier, Raymond
Padigaru, Muralidhara
Rastelli, Luca
Spaderna, Steven
Shimkets, Richard
Zerhusen, Bryan
Spytek, Kimberly
Shenoy, Suresh
Li, Li
Gusev, Vladimir
Grosse, William
Alsobrook, John
Lepley, Denise
Burgess, Catherine
Gerlach, Valerie
Ellerman, Karen
MacDougall, John
Stone, David
Smithson, Glenda

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<212> PRT

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 Glu Leu Asp Gly Val Gly Val Ser Ile Gly Ser Ala Ile His Thr Gln
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Leu Gln Ser Ser Gly Leu Gln Arg Ile His Tyr Pro Asp Phe Leu Val
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Cura 374 CON seq list 0605

645

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655

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Cura 374 CON seq list 0605

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 <213> Homo sapiens

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 Trp Leu Ala Pro Arg Val Arg Ala Pro Gly Leu Leu Asp Ser Leu Tyr
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 Gly Thr Val Arg Arg Phe Leu Ser Val Val Gln Leu Asn Pro Phe Pro
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 Ser Glu Leu Val Lys Ala Leu Leu Asn Glu Leu Ala Ser Val Lys Val
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Cura 374 CON seq list 0605

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Glu Val Gln Arg Tyr Glu Thr Tyr Arg Trp Ile Val Gly Cys Val Leu
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Cura 374 CON seq list 0605

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Cura 374 CON seq list 0605

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Trp Asn Ala Phe Trp Phe Cys Leu Ala Trp Cys Thr Phe Phe Leu Ile
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Pro Ser Ile Ile Phe Ala Val Lys Thr Ser Lys Tyr Phe Arg Pro Ile
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Arg Lys Arg Leu Ser Ser Thr Ser Ser Glu Glu Thr Gln Leu Phe His
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<211> 2007

<212> DNA

<213> Homo sapiens

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Val Tyr Thr Ile Ala Gly Gly Gly Leu Met Ala Val Ile Tyr Thr Asp
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Pro Arg Pro Asp Ala Phe His Met Leu Arg Asp Pro Val Ser Gly Asp
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Cura 374 CON seq list 0605

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Cura 374 CON seq list 0605

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 <213> Homo sapiens

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 1 5 10 15
 Leu Leu Val Ala Leu Glu Cys Ser Glu Ala Ser Ser Asp Leu Asn Glu
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 Ser Ala Asn Ser Thr Ala Gln Tyr Ala Ser Asn Ala Trp Phe Ala Ala
 35 40 45
 Ala Ser Ser Glu Pro Glu Glu Gly Ile Ser Val Phe Glu Leu Asp Tyr
 50 55 60

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Asp Tyr Val Gln Ile Pro Tyr Glu Val Thr Leu Trp Ile Leu Leu Ala
 65 70 75 80
 Ser Leu Ala Lys Ile Gly Phe His Leu Tyr His Arg Leu Pro Gly Leu
 85 90 95
 Met Pro Glu Ser Cys Leu Leu Ile Leu Val Gly Ala Leu Val Gly Gly
 100 105 110
 Ile Ile Phe Gly Thr Asp His Lys Ser Pro Pro Val Met Asp Ser Ser
 115 120 125
 Ile Tyr Phe Leu Tyr Leu Leu Pro Pro Ile Val Leu Glu Gly Gly Tyr
 130 135 140
 Phe Met Pro Thr Arg Pro Phe Phe Glu Asn Ile Gly Ser Ile Leu Trp
 145 150 155 160
 Trp Ala Val Leu Gly Ala Leu Ile Asn Ala Leu Gly Ile Gly Leu Ser
 165 170 175
 Leu Tyr Leu Ile Cys Gln Val Lys Ala Phe Gly Leu Gly Asp Val Asn
 180 185 190
 Leu Leu Gln Asn Leu Leu Phe Gly Ser Leu Ile Ser Ala Val Asp Pro
 195 200 205
 Val Ala Val Leu Ala Val Phe Glu Glu Ala Arg Val Asn Glu Gln Leu
 210 215 220
 Tyr Met Met Ile Phe Gly Glu Ala Leu Leu Asn Asp Gly Ile Thr Val
 225 230 235 240
 Val Leu Tyr Asn Met Leu Ile Ala Phe Thr Lys Met His Lys Phe Glu
 245 250 255
 Asp Ile Glu Thr Val Asp Ile Leu Ala Gly Cys Ala Arg Phe Ile Val
 260 265 270
 Val Gly Leu Gly Gly Val Leu Phe Gly Ile Val Phe Gly Phe Ile Ser
 275 280 285
 Ala Phe Ile Thr Arg Phe Thr Gln Asn Ile Ser Ala Ile Glu Pro Leu
 290 295 300
 Ile Val Phe Met Phe Ser Tyr Leu Ser Tyr Leu Ala Ala Glu Thr Leu
 305 310 315 320
 Tyr Leu Ser Gly Ile Leu Ala Ile Thr Ala Cys Ala Val Thr Met Lys
 325 330 335
 Lys Tyr Val Glu Glu Asn Val Ser Gln Thr Ser Tyr Thr Thr Ile Lys
 340 345 350
 Tyr Phe Met Lys Met Leu Ser Ser Val Ser Glu Thr Leu Ile Phe Ile
 355 360 365
 Phe Met Gly Val Ser Thr Val Gly Lys Asn His Glu Trp Asn Trp Ala
 370 375 380
 Phe Ile Cys Phe Thr Leu Ala Phe Cys Gln Ile Trp Arg Ala Ile Ser
 385 390 395 400

Cura 374 CON seq list 0605

Val Phe Ala Leu Phe Tyr Ile Ser Asn Gln Phe Arg Thr Phe Pro Phe
 405 410 415
 Ser Ile Lys Asp Gln Cys Ile Ile Phe Tyr Ser Gly Val Arg Gly Ala
 420 425 430
 Gly Ser Phe Ser Leu Ala Phe Leu Leu Pro Leu Ser Leu Phe Pro Arg
 435 440 445
 Lys Lys Met Phe Val Thr Ala Thr Leu Val Val Ile Tyr Phe Thr Val
 450 455 460
 Phe Ile Gln Gly Ile Thr Val Gly Pro Leu Val Arg Tyr Leu Asp Val
 465 470 475 480
 Lys Lys Thr Asn Lys Lys Glu Ser Ile Asn Glu Glu Leu His Ile Arg
 485 490 495
 Leu Met Asp His Leu Lys Ala Gly Ile Glu Asp Val Cys Gly His Trp
 500 505 510
 Ser His Tyr Gln Val Arg Asp Lys Phe Lys Lys Phe Asp His Arg Tyr
 515 520 525
 Leu Arg Lys Ile Leu Ile Arg Lys Asn Leu Pro Lys Ser Ser Ile Val
 530 535 540
 Ser Leu Tyr Lys Lys Leu Glu Met Lys Gln Ala Ile Glu Met Val Glu
 545 550 555 560
 Thr Gly Ile Leu Ser Ser Thr Ala Phe Ser Ile Pro His Gln Ala Gln
 565 570 575
 Arg Ile Gln Gly Ile Lys Arg Leu Ser Pro Glu Asp Val Glu Ser Ile
 580 585 590
 Arg Asp Ile Leu Thr Ser Asn Met Tyr Gln Val Arg Gln Arg Thr Leu
 595 600 605
 Ser Tyr Asn Lys Tyr Asn Leu Lys Pro Gln Thr Ser Glu Lys Gln Ala
 610 615 620
 Lys Glu Ile Leu Ile Arg Arg Gln Asn Thr Leu Arg Glu Ser Met Arg
 625 630 635 640
 Lys Gly His Ser Leu Pro Trp Gly Lys Pro Ala Gly Thr Lys Asn Ile
 645 650 655
 Arg Tyr Leu Ser Tyr Pro Tyr Gly Asn Pro Gln Ser Ala Gly Arg Asp
 660 665 670
 Thr Arg Ala Ala Gly Phe Ser Gly Lys Leu Pro Thr Trp Leu Leu Leu
 675 680 685
 Trp Leu Arg Phe Gly Arg Gly Gly Gln Leu Thr Met Asp Thr Ala Gly
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 Thr Ile Thr Gly Pro Ile Val Leu Cys Ser Lys Lys Asn
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<210> 13

Cura 374 CON seq list 0605

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<213> Homo sapiens

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gagataaatc caccgccttc aagagaaaca aacgaaagaa gcaaacaggt gaattataat 180
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cttttagctg t 251

<210> 14
<211> 46
<212> PRT
<213> Homo sapiens

<400> 14
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Glu Thr Asn Glu Arg Ser Lys Gln Val Asn Tyr Asn Glu Leu
35 40 45

<210> 15
<211> 2144
<212> DNA
<213> Homo sapiens

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gttagctgtc acagaaggcg attgatcgcc atcccagagg gcattcccat cgaaaccaa 180
atcttgacc tcagtaaaaa caggctaaaa agcgtcaacc ctgaagaatt catatcatat 240
cctctgctgg aagagataga cttagtgac aacatcattg ccaatgtgga accaggagca 300
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attgtcattt tactagacta catgttccaa gatctacata acctgaagtc tctagaagt 480
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cgcagcctca tcagcctgca tctgaagcat ctcaatatca acaatatgcc tgtgtatgcc 660
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aaaggattcg cttagatcg ttttctttat gcgaacagga cccctatgta catgaccgac 1560
tccaatgaca ccatttccaa tggcagcaat gccaatactt tttccctgga ccttaaaaca 1620
atactgggtg ctacagctat gggctgcttc acattcctgg gagtgggttt attttgttt 1680
cttctccttt ttgtgtggag ccgagggaaa ggcaagcaca aaaacagcat tgaccttgag 1740

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gtaatcagta	agacagtatg	gcacagtaaa	ttactagatt	aagaggcagc	catgtgcagc	1920
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tcgaaaggca	ggcaggcagg	catgtgtcag	agcccttcac	acagtgggat	actaagtgtt	2040
tgcgttgcaa	atattggcgt	tctggggatc	tcagtaatga	acctgaatat	ttggctcaca	2100
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<210> 16
 <211> 606
 <212> PRT
 <213> Homo sapiens

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 20 25 30
 Glu Cys Ser Ala Gln Asn Lys Ser Val Ser Cys His Arg Arg Arg Leu
 35 40 45
 Ile Ala Ile Pro Glu Gly Ile Pro Ile Glu Thr Lys Ile Leu Asp Leu
 50 55 60
 Ser Lys Asn Arg Leu Lys Ser Val Asn Pro Glu Glu Phe Ile Ser Tyr
 65 70 75 80
 Pro Leu Leu Glu Glu Ile Asp Leu Ser Asp Asn Ile Ile Ala Asn Val
 85 90 95
 Glu Pro Gly Ala Phe Asn Asn Leu Phe Asn Leu Arg Ser Leu Arg Leu
 100 105 110
 Lys Gly Asn Arg Leu Lys Leu Val Pro Leu Gly Val Phe Thr Gly Leu
 115 120 125
 Ser Asn Leu Thr Lys Leu Asp Ile Ser Glu Asn Lys Ile Val Ile Leu
 130 135 140
 Leu Asp Tyr Met Phe Gln Asp Leu His Asn Leu Lys Ser Leu Glu Val
 145 150 155 160
 Gly Asp Asn Asp Leu Val Tyr Ile Ser His Arg Ala Phe Ser Gly Leu
 165 170 175
 Leu Ser Leu Glu Gln Leu Thr Leu Glu Lys Cys Asn Leu Thr Ala Val
 180 185 190
 Pro Thr Glu Ala Leu Ser His Leu Arg Ser Leu Ile Ser Leu His Leu
 195 200 205
 Lys His Leu Asn Ile Asn Asn Met Pro Val Tyr Ala Phe Lys Arg Leu
 210 215 220
 Phe His Leu Lys His Leu Glu Ile Asp Tyr Trp Pro Leu Leu Asp Met
 225 230 235 240
 Met Pro Ala Asn Ser Leu Tyr Gly Leu Asn Leu Thr Ser Leu Ser Val
 245 250 255

Cura 374 CON seq list 0605

Thr Asn Thr Asn Leu Ser Thr Val Pro Phe Leu Ala Phe Lys His Leu
 260 265 270
 Val Tyr Leu Thr His Leu Asn Leu Ser Tyr Asn Pro Ile Ser Thr Ile
 275 280 285
 Glu Ala Gly Met Phe Ser Asp Leu Ile Arg Leu Gln Glu Leu His Ile
 290 295 300
 Val Gly Ala Gln Leu Arg Thr Ile Glu Pro His Ser Phe Gln Gly Leu
 305 310 315 320
 Arg Phe Leu Arg Val Leu Asn Val Ser Gln Asn Leu Leu Glu Thr Leu
 325 330 335
 Glu Glu Asn Val Phe Ser Ser Pro Arg Ala Leu Glu Val Leu Ser Ile
 340 345 350
 Asn Asn Asn Pro Leu Ala Cys Asp Cys Arg Leu Leu Trp Ile Leu Gln
 355 360 365
 Arg Gln Pro Thr Leu Gln Phe Gly Gly Gln Gln Pro Met Cys Ala Gly
 370 375 380
 Pro Asp Thr Ile Arg Glu Arg Ser Phe Lys Asp Phe His Ser Thr Ala
 385 390 395 400
 Leu Ser Phe Tyr Phe Thr Cys Lys Lys Pro Lys Ile Arg Glu Lys Lys
 405 410 415
 Leu Gln His Leu Leu Val Asp Glu Gly Gln Thr Val Gln Leu Glu Cys
 420 425 430
 Ser Ala Asp Gly Asp Pro Gln Pro Val Ile Ser Trp Val Thr Pro Arg
 435 440 445
 Arg Arg Phe Ile Thr Thr Lys Ser Asn Gly Arg Ala Thr Val Leu Gly
 450 455 460
 Asp Gly Thr Leu Glu Ile Arg Phe Ala Gln Asp Gln Asp Ser Gly Met
 465 470 475 480
 Tyr Val Cys Ile Ala Ser Asn Ala Ala Gly Asn Asp Thr Phe Thr Ala
 485 490 495
 Ser Leu Thr Val Lys Gly Phe Ala Ser Asp Arg Phe Leu Tyr Ala Asn
 500 505 510
 Arg Thr Pro Met Tyr Met Thr Asp Ser Asn Asp Thr Ile Ser Asn Gly
 515 520 525
 Ser Asn Ala Asn Thr Phe Ser Leu Asp Leu Lys Thr Ile Leu Val Ser
 530 535 540
 Thr Ala Met Gly Cys Phe Thr Phe Leu Gly Val Val Leu Phe Cys Phe
 545 550 555 560
 Leu Leu Leu Phe Val Trp Ser Arg Gly Lys Gly Lys His Lys Asn Ser
 565 570 575
 Ile Asp Leu Glu Tyr Val Pro Lys Lys Asn His Gly Ala Val Val Glu
 580 585 590

Cura 374 CON seq list 0605

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595 605

<210> 17
<211> 2187
<212> DNA
<213> Homo sapiens

<400> 17

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gggcattccc	atcgaaacca	aaatcttgaa	cctcagtaaa	aacaggctaa	aaagcgtcaa	300
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ttaagagata	gccatgtgca	gctgccccg	tatcaaaagc	agggctctatg	gaagcaggag	2040
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<210> 18
<211> 606
<212> PRT
<213> Homo sapiens

<400> 18

Met	Leu	His	Thr	Ala	Ile	Ser	Cys	Trp	Gln	Pro	Phe	Leu	Gly	Leu	Ala
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Glu	Cys	Ser	Ala	Gln	Asn	Lys	Ser	Val	Ser	Cys	His	Arg	Arg	Arg	Leu
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Ile Ala Ile Pro Glu Gly Ile Pro Ile Glu Thr Lys Ile Leu Asn Leu
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Ser Lys Asn Arg Leu Lys Ser Val Asn Pro Glu Glu Phe Ile Ser Tyr
65 70 75 80
Pro Leu Leu Glu Glu Ile Asp Leu Ser Asp Asn Ile Ile Ala Asn Val
85 90 95
Glu Pro Gly Ala Phe Asn Asn Leu Phe Asn Leu Arg Ser Leu Arg Leu
100 105 110
Lys Gly Asn Arg Leu Lys Leu Val Pro Leu Gly Val Phe Thr Gly Leu
115 120 125
Ser Asn Leu Thr Lys Leu Asp Ile Ser Glu Asn Lys Ile Val Ile Leu
130 135 140
Leu Asp Tyr Met Phe Gln Asp Leu His Asn Leu Lys Ser Leu Glu Val
145 150 155 160
Gly Asp Asn Asp Leu Val Tyr Ile Ser His Arg Ala Phe Ser Gly Leu
165 170 175
Leu Ser Leu Glu Gln Leu Thr Leu Glu Lys Cys Asn Leu Thr Ala Val
180 185 190
Pro Thr Glu Ala Leu Ser His Leu Arg Ser Leu Ile Ser Leu His Leu
195 200 205
Lys His Leu Asn Ile Asn Asn Met Pro Val Tyr Thr Phe Lys Arg Leu
210 215 220
Phe His Leu Lys His Leu Glu Ile Asp Tyr Trp Pro Leu Leu Asp Met
225 230 235 240
Met Pro Ala Asn Ser Leu Tyr Gly Leu Asn Leu Thr Pro Leu Ser Val
245 250 255
Thr Asn Thr Asn Leu Ser Thr Val Pro Phe Leu Ala Phe Lys His Leu
260 265 270
Val Tyr Leu Thr His Leu Asn Leu Ser Tyr Asn Pro Ile Ser Thr Ile
275 280 285
Glu Ala Gly Met Phe Ser Asp Leu Ile Arg Leu Gln Glu Leu His Ile
290 295 300
Val Gly Ala Gln Leu Arg Thr Ile Glu Pro His Ser Phe Gln Gly Leu
305 310 315 320
Arg Phe Leu Arg Val Leu Asn Val Ser Gln Asn Leu Leu Glu Thr Leu
325 330 335
Glu Glu Asn Val Phe Ser Ser Pro Arg Ala Leu Glu Val Leu Ser Ile
340 345 350
Asn Asn Asn Pro Leu Ala Cys Asp Cys Arg Leu Leu Trp Ile Leu Gln
355 360 365
Arg Gln Pro Thr Leu Gln Phe Gly Gly Gln Gln Pro Met Cys Ala Gly
370 375 380

Cura 374 CON seq list 0605

Pro Asp Thr Ile Arg Glu Arg Ser Phe Lys Asp Phe His Ser Thr Ala
385 390 395 400

Leu Ser Phe Tyr Phe Thr Cys Lys Lys Pro Lys Ile Arg Glu Lys Lys
405 410 415

Leu Gln His Leu Leu Val Asp Glu Gly Gln Thr Val Gln Leu Glu Cys
420 425 430

Ser Ala Asp Gly Asp Pro Gln Pro Val Ile Ser Trp Val Thr Pro Arg
435 440 445

Arg Arg Phe Ile Thr Thr Lys Ser Asn Gly Arg Ala Thr Val Leu Gly
450 455 460

Asp Gly Thr Leu Glu Ile Arg Phe Ala Gln Asp Gln Asp Ser Gly Met
465 470 475 480

Tyr Val Cys Ile Ala Ser Asn Ala Ala Gly Asn Asp Thr Phe Thr Ala
485 490 495

Ser Leu Thr Val Lys Gly Phe Ala Ser Asp Arg Phe Leu Tyr Ala Asn
500 505 510

Arg Thr Pro Met Tyr Met Thr Asp Ser Asn Asp Thr Ile Ser Asn Gly
515 520 525

Thr Asn Ala Asn Thr Phe Ser Leu Asp Leu Lys Thr Ile Leu Val Ser
530 535 540

Thr Ala Met Gly Cys Phe Thr Phe Leu Gly Val Val Leu Phe Cys Phe
545 550 555 560

Leu Leu Leu Phe Val Trp Ser Arg Gly Lys Gly Lys His Lys Asn Ser
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Ile Asp Leu Glu Tyr Val Pro Arg Lys Asn Ser Gly Ala Val Val Glu
580 585 590

Gly Glu Val Ala Gly Pro Arg Arg Phe Asn Met Lys Met Ile
595 600 605

<210> 19
<211> 1215
<212> DNA
<213> Homo sapiens

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Cura 374 CON seq list 0605

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<210> 20
 <211> 380
 <212> PRT
 <213> Homo sapiens

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 35 40 45
 Leu Gly Met Asn Asn Pro Val Gln Met Ser Glu Val Tyr Ile Ile Gly
 50 55 60
 Ala Gln Pro Leu Cys Ser Gln Leu Ala Gly Leu Ser Gln Gly Gln Lys
 65 70 75 80
 Lys Leu Cys His Leu Tyr Gln Asp His Met Gln Tyr Ile Gly Glu Gly
 85 90 95
 Ala Lys Thr Gly Ile Lys Glu Cys Gln Tyr Gln Phe Arg His Arg Arg
 100 105 110
 Trp Asn Cys Ser Thr Val Asp Asn Thr Ser Val Phe Gly Arg Val Met
 115 120 125
 Gln Ile Gly Ser Arg Glu Thr Ala Phe Thr Tyr Ala Val Ser Ala Ala
 130 135 140
 Gly Val Val Asn Ala Met Ser Arg Ala Cys Arg Glu Gly Glu Leu Ser
 145 150 155 160
 Thr Cys Gly Cys Ser Arg Ala Ala Arg Pro Lys Asp Leu Pro Arg Asp
 165 170 175
 Trp Leu Trp Gly Gly Ser Gly Ala Thr Asn Lys Lys Gly Tyr Arg Ser
 180 185 190
 Ala Lys Glu Ile Val His Ala Arg Glu Arg Gly Arg Ile His Ala Lys
 195 200 205
 Gly Ser Tyr Glu Ser Ala Arg Ile Leu Met Asn Leu His Asn Asn Glu
 210 215 220
 Ala Gly Arg Arg Thr Val Tyr Asn Leu Ala Asp Val Ala Cys Lys Cys
 225 230 235 240
 His Gly Val Ser Gly Ser Cys Ser Leu Lys Thr Cys Trp Leu Gln Leu
 245 250 255

Cura 374 CON seq list 0605

Ala Asp Phe Arg Lys Val Gly Asp Ala Leu Lys Glu Lys Tyr Asp Ser
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Cura 374 CON seq list 0605

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His Gly Val Ser Gly Ser Cys Ser Leu Lys Thr Cys Trp Leu Gln Leu
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260 265 270
Ala Ala Ala Met Arg Leu Asn Ser Arg Gly Lys Leu Val Gln Val Asn
275 280 285
Ser Arg Phe Asn Ser Pro Thr Thr Gln Asp Leu Val Tyr Ile Asp Pro
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Ser Pro Asp Tyr Cys Val Arg Asn Glu Ser Thr Gly Ser Leu Gly Thr
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Gln Gly Arg Leu Cys Asn Lys Thr Ser Glu Gly Met Asp Gly Cys Glu
325 330 335
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 165 170 175
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Cura 374 CON seq list 0605

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Leu Ala Asp Phe Arg Lys Val Gly Asp Ala Leu Lys Glu Lys Tyr Asp
245 250 255
Ser Ala Ala Ala Met Arg Leu Asn Ser Arg Gly Lys Leu Val Gln Val
260 265 270
Asn Ser Arg Phe Asn Ser Pro Thr Thr Gln Asp Leu Val Tyr Ile Asp
275 280 285
Pro Ser Pro Asp Tyr Cys Val Arg Asn Glu Ser Thr Gly Ser Leu Gly
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305 310 315 320
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Cura 374 CON seq list 0605

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<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (1185)

<223> wherein Xaa is any amino acid as defined in the specification

<400> 26

Cura 374 CON seq list 0605

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Arg Gly Arg Phe Leu Ser His Val Val Ser Gly Pro Ala Ala Ala Ser
50 55 60
Ala Gly Ser Met Val Val Asp Thr Pro Pro Thr Leu Pro Arg His Ser
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Ser His Leu Arg Val Ala Arg Ser Pro Leu His Pro Gly Gly Thr Leu
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Trp Pro Gly Arg Val Gly Arg His Ser Leu Tyr Phe Asn Val Thr Val
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Phe Gly Lys Glu Leu His Leu Arg Leu Arg Pro Asn Arg Arg Leu Val
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Val Pro Gly Ser Ser Val Glu Trp Gln Glu Asp Phe Arg Glu Leu Phe
130 135 140
Arg Gln Pro Leu Arg Gln Glu Cys Val Tyr Thr Gly Gly Val Thr Gly
145 150 155 160
Met Pro Gly Ala Ala Val Ala Ile Ser Asn Cys Asp Gly Leu Cys Ala
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Gly Pro Ala Gly Leu Ile Arg Thr Asp Ser Thr Asp Phe Phe Ile Glu
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Pro Leu Glu Arg Gly Gln Gln Glu Lys Glu Ala Ser Gly Arg Thr His
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Val Val Tyr Arg Arg Glu Ala Val Gln Gln Asp Phe Gly Leu Gly Asp
210 215 220
Leu Pro Asn Leu Leu Gly Leu Val Gly Asp Gln Leu Gly Asp Thr Glu
225 230 235 240
Arg Lys Arg Arg His Ala Lys Pro Gly Ser Tyr Ser Ile Glu Val Leu
245 250 255
Leu Val Val Asp Asp Ser Val Val Arg Phe His Gly Lys Glu His Val
260 265 270
Gln Asn Tyr Val Leu Thr Leu Met Asn Ile Val Ser Val Asp Glu Ile
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Tyr His Asp Glu Ser Leu Gly Val His Ile Asn Ile Ala Leu Val Arg
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Leu Ile Met Val Gly Tyr Arg Gln Ser Leu Ser Leu Ile Glu Arg Gly
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Asn Pro Ser Arg Ser Leu Glu Gln Val Cys Arg Trp Ala His Ser Gln
325 330 335

Cura 374 CON seq list 0605

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Met Cys His Pro Leu Arg Ser Cys Ala Leu Asn His Glu Asp Gly Phe
370 375 380

Ser Ser Ala Phe Val Ile Ala His Glu Thr Gly His Val Leu Gly Met
385 390 395 400

Glu His Asp Gly Gln Gly Asn Gly Cys Ala Asp Glu Thr Ser Leu Gly
405 410 415

Ser Val Met Ala Pro Leu Val Gln Ala Ala Phe His Arg Phe His Trp
420 425 430

Ser Arg Cys Ser Lys Leu Glu Leu Ser Arg Tyr Leu Pro Ser Tyr Asp
435 440 445

Cys Leu Leu Asp Asp Pro Phe Asp Pro Ala Trp Pro Gln Pro Pro Glu
450 455 460

Leu Pro Gly Ile Asn Tyr Ser Met Asp Glu Gln Cys Arg Phe Asp Phe
465 470 475 480

Gly Ser Gly Tyr Gln Thr Cys Leu Ala Phe Arg Thr Phe Glu Pro Cys
485 490 495

Lys Gln Leu Trp Cys Ser His Pro Asp Asn Pro Tyr Phe Cys Lys Thr
500 505 510

Lys Lys Gly Pro Pro Leu Asp Gly Thr Glu Cys Ala Pro Gly Lys Trp
515 520 525

Cys Phe Lys Gly His Cys Ile Trp Lys Ser Pro Glu Gln Thr Tyr Gly
530 535 540

Gln Asp Gly Gly Trp Ser Ser Trp Thr Lys Phe Gly Ser Cys Ser Arg
545 550 555 560

Ser Cys Gly Gly Gly Val Arg Ser Arg Ser Arg Ser Cys Asn Asn Pro
565 570 575

Ser Pro Ala Tyr Gly Gly Arg Leu Cys Leu Gly Pro Met Phe Glu Tyr
580 585 590

Gln Val Cys Asn Ser Glu Glu Cys Pro Gly Thr Tyr Glu Asp Phe Arg
595 600 605

Ala Gln Gln Cys Ala Lys Arg Asn Ser Tyr Tyr Val His Gln Asn Ala
610 615 620

Lys His Ser Trp Val Pro Tyr Glu Pro Asp Asp Asp Ala Gln Lys Cys
625 630 635 640

Glu Leu Ile Cys Gln Ser Ala Asp Thr Gly Asp Val Val Phe Met Asn
645 650 655

Gln Val Val His Asp Gly Thr Arg Cys Ser Tyr Arg Asp Pro Tyr Ser
660 665 670

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Val Cys Ala Arg Gly Glu Cys Val Pro Val Gly Cys Asp Lys Glu Val
675 680 685

Gly Ser Met Lys Ala Asp Asp Lys Cys Gly Val Cys Gly Gly Asp Asn
690 695 700

Ser His Cys Arg Thr Val Lys Gly Thr Leu Gly Lys Ala Ser Lys Gln
705 710 715 720

Ala Gly Ala Leu Lys Leu Val Gln Ile Pro Ala Gly Ala Arg His Ile
725 730 735

Gln Ile Glu Ala Leu Glu Lys Ser Pro His Arg Ile Val Val Lys Asn
740 745 750

Gln Val Thr Gly Ser Phe Ile Leu Asn Pro Lys Gly Lys Glu Ala Thr
755 760 765

Ser Arg Thr Phe Thr Ala Met Gly Leu Glu Trp Glu Asp Ala Val Glu
770 775 780

Asp Ala Lys Glu Ser Leu Lys Thr Ser Gly Pro Leu Pro Glu Ala Ile
785 790 795 800

Ala Ile Leu Ala Leu Pro Pro Thr Glu Gly Gly Pro Arg Ser Ser Leu
805 810 815

Ala Tyr Lys Tyr Val Ile His Glu Asp Leu Leu Pro Leu Ile Gly Ser
820 825 830

Asn Asn Val Leu Leu Glu Glu Met Asp Thr Tyr Glu Trp Ala Leu Lys
835 840 845

Ser Trp Ala Pro Cys Ser Lys Ala Cys Gly Gly Gly Ile Gln Phe Thr
850 855 860

Lys Tyr Gly Cys Arg Arg Arg Asp His His Met Val Gln Arg His
865 870 875 880

Leu Cys Asp His Lys Lys Arg Pro Lys Pro Ile Arg Arg Arg Cys Asn
885 890 895

Gln His Pro Cys Ser Gln Pro Val Trp Val Thr Glu Glu Trp Gly Ala
900 905 910

Cys Ser Arg Ser Cys Gly Lys Leu Gly Val Gln Thr Arg Gly Ile Gln
915 920 925

Cys Leu Leu Pro Leu Ser Asn Gly Thr His Lys Val Met Pro Ala Lys
930 935 940

Ala Cys Ala Gly Asp Arg Pro Glu Ala Arg Arg Pro Cys Leu Arg Val
945 950 955 960

Pro Cys Pro Ala Gln Trp Arg Leu Gly Ala Trp Ser Gln Cys Ser Ala
965 970 975

Thr Cys Gly Glu Gly Ile Gln Gln Arg Gln Val Val Cys Arg Thr Asn
980 985 990

Ala Asn Ser Leu Gly His Cys Glu Gly Asp Arg Pro Asp Thr Val Gln
995 1000 1005

Cura 374 CON seq list 0605

Val Cys Ser Leu Pro Ala Cys Asn Lys Ile Ser Ser Thr Glu Pro Cys
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 Thr Gly Asp Arg Ser Val Phe Cys Gln Met Glu Val Leu Asp Arg Tyr
 1025 1030 1035 1040
 Cys Ser Ile Pro Gly Tyr His Arg Leu Cys Cys Val Ser Cys Ile Lys
 1045 1050 1055
 Lys Ala Ser Gly Pro Asn Pro Gly Pro Asp Pro Gly Pro Thr Ser Leu
 1060 1065 1070
 Pro Pro Phe Ser Thr Pro Gly Ser Pro Leu Pro Gly Pro Gln Asp Pro
 1075 1080 1085
 Ala Asp Ala Ala Glu Pro Pro Gly Lys Pro Thr Gly Ser Glu Asp His
 1090 1095 1100
 Gln His Gly Arg Ala Thr Gln Leu Pro Gly Ala Leu Asp Thr Ser Ser
 1105 1110 1115 1120
 Pro Gly Thr Gln His Pro Phe Ala Pro Glu Thr Pro Ile Pro Gly Ala
 1125 1130 1135
 Ser Trp Ser Ile Ser Pro Thr Thr Pro Gly Gly Leu Pro Trp Gly Trp
 1140 1145 1150
 Thr Gln Thr Pro Thr Pro Val Pro Glu Asp Lys Gly Gln Pro Gly Glu
 1155 1160 1165
 Asp Leu Arg His Pro Gly Thr Ser Leu Pro Ala Ala Ser Pro Val Thr
 1170 1175 1180
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 gaagaagaag aaaacaaagg gaccagatgc tgccagcaaa ctgccactga tgacacctca 180
 cactctgtgc cagttaaaat tattgaaatt agagataatt aaatactgtc ttctcatgaa 240
 ggaagaattc attagaaatc aggaacaaat gaaactatta gaaggaaagc aagaggagga 300
 aagatcaaaa gtggatgac tgagggggac ccccatgtca gtagtaacct tggaagagat 360
 tattgatgac aatcatgcca tcatgtctac atctgtgggc tcagagcatc tgtgggctca 420
 gagcattctt gtagacaagg atctgctgga acctggctgc tcggtcctgc tcaaccacaa 480
 gggttcgtgt gtgatattgg tgctgatgga tgacacggat accctagtca caatgatgaa 540
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 ggaaattaag gaatttgttg agcttcctct cacacattct gaatattatg aagagatggg 660
 tataaagccc cctaaggagg tcattcacta tgggtccacct ggcacaggta aaaccttggt 720
 agccaaagca gtagcaaacc acatcttagc cactttcttg caagtgatca gctctgaatt 780
 tattcagaaa tacctacatg atgggcccac actcatatgg gaattgtttc tagttgctga 840
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 tgactcaaat tctgatagtg agagagaaat tcagcaaata atgctggaaa tgttgaacca 960
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aactttggat ctagcactta tcagaccagg ctacactgac aggaagctca agttccccct 1080
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caatgataca atcctggaca actccatcat ggctaaagat gacctctctt gtacagacct 1200
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 Val Arg Lys Lys Lys Lys Thr Lys Gly Pro Asp Ala Ala Ser Lys Leu
 35 40 45
 Pro Leu Met Thr Pro His Thr Leu Cys Gln Leu Lys Leu Leu Lys Leu
 50 55 60
 Glu Ile Ile Lys Tyr Cys Leu Leu Met Lys Glu Glu Phe Ile Arg Asn
 65 70 75 80
 Gln Glu Gln Met Lys Leu Leu Glu Gly Lys Gln Glu Glu Glu Arg Ser
 85 90 95
 Lys Val Asp Asp Leu Arg Gly Thr Pro Met Ser Val Val Thr Leu Glu
 100 105 110
 Glu Ile Ile Asp Asp Asn His Ala Ile Met Ser Thr Ser Val Gly Ser
 115 120 125
 Glu His Leu Trp Ala Gln Ser Ile Leu Val Asp Lys Asp Leu Leu Glu
 130 135 140
 Pro Gly Cys Ser Val Leu Leu Asn His Lys Val Arg Ala Val Ile Trp
 145 150 155 160
 Val Leu Met Asp Asp Thr Asp Thr Leu Val Thr Met Met Lys Val Glu
 165 170 175
 Lys Thr Pro Gln Glu Thr Cys Val Asp Thr Gly Gly Leu Asp Ser Gln
 180 185 190
 Ile Gln Glu Ile Lys Glu Phe Val Glu Leu Pro Leu Thr His Ser Glu
 195 200 205
 Tyr Tyr Glu Glu Met Gly Ile Lys Pro Pro Lys Gly Val Ile His Tyr
 210 215 220
 Gly Pro Pro Gly Thr Gly Lys Thr Leu Leu Ala Lys Ala Val Ala Asn
 225 230 235 240
 His Ile Leu Ala Thr Phe Leu Gln Val Ile Ser Ser Glu Phe Ile Gln
 245 250 255

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Lys Tyr Leu His Asp Gly Pro Lys Leu Ile Trp Glu Leu Phe Leu Val
 260 265 270

Ala Glu Glu His Ala Pro Ser Ile Met Phe Ile Asp Glu Ile Asp Ala
 275 280 285

Ile Arg Thr Lys Arg Cys Asp Ser Asn Ser Asp Ser Glu Arg Glu Ile
 290 295 300

Gln Gln Ile Met Leu Glu Met Leu Asn Gln Leu Asp Gly Phe Asp Ser
 305 310 315 320

Arg Gly Asp Val Lys Val Ile Ile Ser Thr Ser Arg Ile Glu Thr Leu
 325 330 335

Asp Leu Ala Leu Ile Arg Pro Gly Tyr Thr Asp Arg Lys Leu Lys Phe
 340 345 350

Pro Leu Pro Asp Glu Lys Thr Lys Lys His Ile Phe Gln Met His Thr
 355 360 365

Ser Arg Ile Thr Leu Ala Asn Asp Thr Ile Leu Asp Asn Ser Ile Met
 370 375 380

Ala Lys Asp Asp Leu Ser Cys Thr Asp Leu Lys Ala Ile Cys Thr Glu
 385 390 395 400

Ala Ser Leu Met Ala Leu Lys Glu His Gly Met Lys Val Thr Asn Glu
 405 410 415

Asn Phe Lys Lys Ser Gln Glu Asn Val Leu Tyr Lys Glu Gln Glu Asp
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 435 440 445

Pro Asp Ser Phe
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<220>
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22

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<400> 30

Cura 374 CON seq list 0605		
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Cura 374 CON seq list 0605

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<210> 43

<211> 22

<212> DNA

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<210> 47
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<210> 49
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Cura 374 CON seq list 0605

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Cura 374 CON seq list 0605

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 <210> 59
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 <400> 59
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Cura 374 CON seq list 0605

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26

<210> 61
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<210> 62
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<400> 63
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<400> 65
 Gln His Arg Lys
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Cura 374 CON seq list 0605

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Cura 374 CON seq list 0605

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Asn Glu Gln His Arg Lys
1 5

<210> 74

<211> 4

<212> PRT

<213> Homo sapiens

<400> 74

Val Leu Ile Met
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